

OVERVIEW

The coating was invented and manufactured in the Netherlands. It's a mixture of four food grade main ingredients, with one confidential ingredient being the result of 5 years research for a coating protecting against ultra violet impact on buildings and structures.

This coating has a huge benefit of preventing short circuiting of electrical and electronic equipment.

With added fragrances to mask the catalyst, this coating is a healthy and environmentally safe method for solving the problems associated with electrical and electronics devices being exposed to water without the use of silicone, acrylic, rubber, Teflon, aromatic components, titanium oxide or other nanoparticles.



Weatherproof



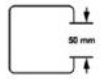

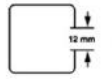

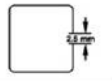

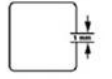



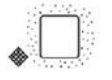



Humidity/ Moisture



APPLICATIONS	CAPABILITIES & SIZE	KEY PROPERTIES
<ul style="list-style-type: none"> • Apart from smartphones, zøem can also be used on PCB based devices (e.g. computers, portable chargers, process control units, cameras) • E&E devices (wearable watches, fireworks launching devices, outdoor lightings, timers, alarms). • Its oil base and reversibility also provide a lubricating effect, hence suitable in movable DIY and construction machineries (power drills, milling machines, lawn mowers, motors) • Hobbies (drones, robotics) 	<ul style="list-style-type: none"> • Available in 10ml, 100ml and 250 cans • Special can sizes are available on application for industrial usage 	<ul style="list-style-type: none"> • Spraying a thin layer of 20microns of zøem spray on conductive parts protects the electronic/electrical device from instant damage via all forms of moisture including steam, condensation and spray • The key idea with the development of the coating was to assure a substrate should be hydrophobic (repelling water) and hydrophilic (mixes with water) at the same time, which can be applied on mineral and most metal surfaces • The IPX4 equivalent rating zøem coating obtained indicates its effectiveness in keeping the device functioning under water splashed from all directions. After effects such as corrosion, mould and mildew are also prevented

IP RATING CODE REFERENCE TABLE

IP or Ingress Protection is used to define levels of sealing effectiveness of electrical enclosures against intrusion from foreign bodies (tools, dirt etc.) and moisture.

1 st Digit	Symbol	Solid Object Protection	2 nd Digit	Symbol	Water Protection
0		Not protected	0		Not protected
1		Protected against solid objects greater than 50mm	1		Protected against vertically dripping water
2		Protected against solid objects greater than 12.5mm	2		Protected against dripping water when tilted up to 15°
3		Protected against solid objects greater than 2.5mm	3		Protected against spraying water
4		Protected against solid objects greater than 1.0mm	4		Protected against splashing water
5		Protected from the amount of dust	5		Protected against jetting water
6		Dust tight	6		Protected against powerfully jetting water
<p style="text-align: center;">IP X 4</p> <p style="text-align: center;">Code letters 1st Digit 2nd Digit</p>			7		Protected against temporary immersion in water
			8		Protected against continuous immersion in water

KEY CONVERSATION STARTERS

1. Did you know that a third of all smartphones during their life get exposed to water damage?
2. Did you know that most people would pay for something to help make their smartphones live longer? (e.g. cases, screen protectors).
3. Are you aware there's EU technology which can water protect smartphones/electronic devices?
4. Are you looking for a solution to electricity preservation and corrosion protection for electronic devices?
5. Did you know that zøem does not corrode silicone and rubber seals inside electronic devices? In fact, zøem helps to preserve and protect silicone and rubber seals.
6. Are you aware of the myriad of industrial applications for zøem? Including any device exposed to water damage such as PCB devices, smart toys, security alarms, lighting etc.
7. Do you know what is the IP standard? IP is Ingress Protection. There are degrees of water protection, zøem is tested and certified to protect smartphones to IPx4 equivalency, which basically means 'splash proof'. Due to the variability of application and usage, we cannot warranty against water damage which may occur.
8. Is it a good idea to completely seal something? There needs to be a way for air to vent in and out of the case, usually through hydrophobic membrane vents. These keep the device from exploding due to changes in air pressure and give water vapor that has gotten inside the case (and it will get in) a way to get out (rather than condensing on your components)

Please refer to <http://www.zoemspray.com/en#faqs> for terms of business.